

CITY COUNCIL AGENDA MEMORANDUM

SUBJECT

Resolution No. 8727 authorizing execution of a professional services agreement with PACE Engineers, Inc. for engineering services for the Factoria Reservoir Coating Repairs and Overflow Modifications project, in the amount of \$54,556.

FISCAL IMPACT

This contract obligates the City to an amount up to \$54,556. This work is included in the 2013-2019 CIP and Operations and Maintenance Water Fund.

Minor (Small) Water Capital Improvement Projects	CIP Plan No. W-69	\$47,073
Operations and Maintenance Water Fund	44412.548000.3482	7,483
	Total Amount	\$54,556

STAFF CONTACT

Nav Ota, Director, 452-2041

Paul Bucich, Assistant Director of Engineering, 452-4596

Utilities Department

POLICY CONSIDERATION

Utilities Department policies:

- The Utility shall invest resources as necessary to construct, maintain and renew water system infrastructure and equipment such that Utility customers are provided consistent, reliable service.
- Provide reliable water service for domestic use, fire flow protection, and emergencies.

Utilities Department practice:

- It is the Utilities' practice to fund minor capital improvements to the City's water system which correct minor deficiencies, improve efficiencies, or solve maintenance issues. CIP Plan No. W-69 has been designated to do this.

City Contracting policies:

- BCC 4.28 provides for the fair and equitable treatment in the purchasing process. Because the amount of the contract exceeds \$50,000, Council approval is required.

BACKGROUND

The Factoria Reservoir is located at 3763 132nd Avenue SE in Bellevue, and is a welded steel tank, approximately 39 feet tall and 93 feet in diameter.

The reservoir interior was recoated in August 2004. Touch up coating of the reservoir exterior and roof was also performed during the interior recoating. In August 2013, a condition assessment of the reservoir exterior was conducted by MWH in conjunction with Northwest Corrosion Engineering. The

assessment indicated that the reservoir foundation, shell and roof system were in fair condition. However, there are a few areas of paint failures, pitting and corrosion. The most critical repairs are around the cathodic protection anode access hand holes in the roof. There are several hand holes where the coating material has disbonded from the steel surface and subsequent steel damage in the form of exfoliation corrosion has occurred. Without repair, the steel roof plates at each location will eventually have to be replaced. .

Staff proposes to address the following regulatory issue concurrently with the coating repair. The overflow and drain lines discharge into a storm drain flow control manhole at the north end of the reservoir site. The discharge of potable water into a manhole without the use of an air gap is not in conformance with current Washington State Department of Health Regulations.

While reservoir repair typically falls under operations and maintenance, and the modification of reservoirs is categorized as capital improvement, they will be executed as a single project to minimize reservoir downtime.

This project will consist of the preparation of plans and specifications for the coating repair and the design to disconnect the reservoir overflow from the flow control structure and reconnection of the overflow downstream of the manhole through an air gap structure meeting the requirements of the Washington State Department of Health regulations.

Consultants listed on the Shared Procurement Portal roster under Reservoir Rehab and Replacement services category and under the Storm & Surface Water Pipeline Design service category were advised through the roster notification process to consider updating their Statement of Qualifications (SOQ's) for the upcoming selection process. Of the one hundred firms notified, one firm indicated that their SOQ was updated as a result of the request. Five SOQ's were reviewed for engineering firms that had SOQ's in the roster system updated within the request period and are as follows:

- BHC
- Huitt-Zollars
- Jacobs
- PACE Engineers
- Parametrix.

PACE was selected as the most qualified firm based on their experience with the design and rehabilitation of potable water reservoirs as well as their experience with hydraulic modeling of gravity drainage systems. This includes fourteen reservoirs repaired and recoated and six drainage system analysis, inventory and problem resolution projects. Relevant reservoir rehabilitation experience includes the removal and recoating of a 2.5 MG reservoir for Olympic View Water & Sewer District and the assessment and recoating of the Bullfrog Water Tank for WSDOT. In addition, PACE has a NACE Certified, Level II Coatings Inspector on staff. Samples of past relevant gravity drainage system projects include Stormwater Conveyance Infrastructure Rehabilitation for the City of Bellevue and Stormwater Engineering Services for the City of Port Angeles.

As required by state law relating to contracts for architectural and engineering services, the City selects the consultant deemed to be most highly qualified for a given project. State law precludes using cost as a basis for selection of engineering firms.

EFFECTIVE DATE

If adopted, this Resolution will become effective immediately.

OPTIONS

1. Adopt Resolution No. 8727 authorizing execution of a professional services agreement with PACE Engineers, Inc. for engineering services, for the Factoria Reservoir Coating Repairs and Overflow Modifications project, in the amount of \$54,556.
2. Do not adopt the Resolution and provide alternative direction to staff.

RECOMMENDATION

Resolution No. 8727 authorizing execution of a professional services agreement with PACE Engineers, Inc. for engineering services, for the Factoria Reservoir Coating Repairs and Overflow Modifications project, in the amount of \$54,556.

MOTION

Move to adopt Resolution No. 8727 authorizing execution of a professional services agreement with PACE Engineers, Inc. for engineering services, for the Factoria Reservoir Coating Repairs and Overflow Modifications project, in the amount of \$54,556.

ATTACHMENTS

CIP Project Description
Proposed Resolution No. 8727

AVAILABLE IN COUNCIL OFFICE

Consultant Contract

W-69 Minor (Small) Water Capital Improvement Projects

Category: **Water**
 Department: **Utilities**

Status: **Ongoing**
 Location: **Various locations throughout Water Utility's service area**

Programmed Funding

<u>Programmed Funding</u>	<u>Appropriated To Date</u>	<u>FY 2013 Budget</u>	<u>FY 2014 Budget</u>	<u>FY 2015 Budget</u>	<u>FY 2016 Budget</u>	<u>FY 2017 Budget</u>	<u>FY 2018 Budget</u>	<u>FY 2019 Budget</u>
6,011,052	4,238,171	232,854	239,594	246,282	252,917	259,989	267,018	274,227

Description and Scope

This ongoing program pays for small improvements to Bellevue's water system to resolve deficiencies, improve efficiencies, or resolve maintenance problems, often in conjunction with other programs such as the Transportation overlay program. Projects are prioritized based on criteria including public safety/property damage, maintenance frequency, operator safety, environmental risk, reliability and efficiency gains, coordination with other city projects or development activity, and level of service impact.

PROJECT NEED: System Renewal and Replacement

Rationale

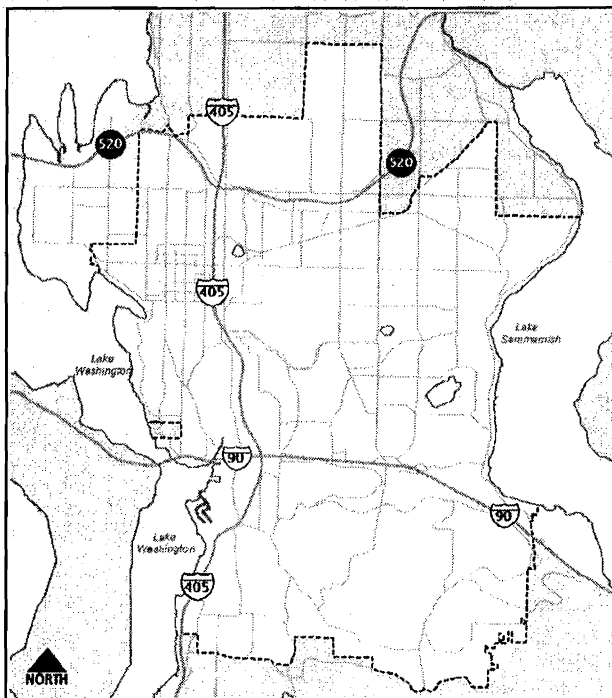
These improvements correct unanticipated minor deficiencies or maintenance problems of the existing system. This program allows the City to efficiently maintain and upgrade its water system by coordinating minor improvements with other City projects and maintenance activities. These projects are too small to justify their own CIP projects, don't fit within the scope of other water CIP programs, and sometimes cannot be anticipated. The budget is based on average historical need.

Environmental Impacts

The environmental impacts and State Environmental Protection Act (SEPA) requirements will be determined for each specific project, but are generally exempt.

Operating Budget Impacts

This project will have no impact on operating revenues (and/or) expenditures.

Project Map**Schedule of Activities**

<u>Project Activities</u>	<u>From - To</u>	<u>Amount</u>
Project Costs	1991 - 2019	6,011,052

Total Budgetary Cost Estimate: 6,011,052

Means of Financing

<u>Funding Source</u>	<u>Amount</u>
Miscellaneous Revenue	151,000
Utility Rates/Fees	5,860,052

Total Programmed Funding: 6,011,052

Future Funding Requirements: 0

Comments

This project is located throughout the service area.

CITY OF BELLEVUE, WASHINGTON

RESOLUTION NO. 8727

A RESOLUTION authorizing the execution of a professional services agreement with PACE Engineers, Inc., in an amount not to exceed \$54,556 for engineering services for the Factoria Reservoir Coating Repairs and Overflow Modifications project.

THE CITY COUNCIL OF THE CITY OF BELLEVUE, WASHINGTON, DOES RESOLVE AS FOLLOWS:

Section 1. The City Manager or his designee is hereby authorized to execute a professional services agreement with PACE Engineers, Inc., in an amount not to exceed \$54,556 for engineering services for the Factoria Reservoir Coating Repairs and Overflow Modifications project, a copy of which agreement has been given Clerk's Receiving No. _____.

Passed by the City Council this _____ day of _____, 2014, and signed in authentication of its passage this _____ day of _____, 2014.

(SEAL)

Claudia Balducci, Mayor

Attest:

Myrna L. Basich, City Clerk